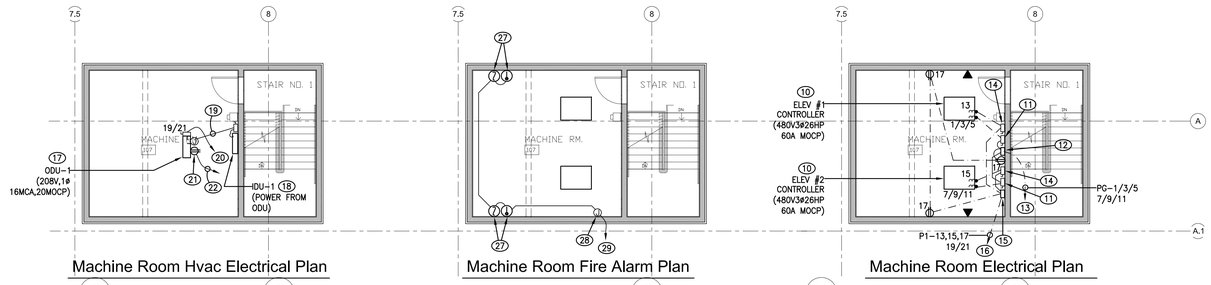

Machine Room Hvac Electrical Plan

Machine Room Fire Alarm Plan

Machine Room Electrical Plan

NORTH

Top Level Floor Electrical Plan

1/8" = 1'-0"

TOP LEVEL ELECTRICAL PLAN NOTES:

1. EMERGENCY CALL CODE BLUE STATION SHALL PROVIDED BY GENERAL CONTRACTOR, INSTALLED AND CONNECTED BY ELECTRICAL. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.
2. PROVIDE JUNCTION BOX IN WALL FOR POWER WIRING. CONNECT CODE BLUE STATION.
3. RUN ONE 1"C WITH 3#12 + 1#12 GROUND TO POWER JUNCTION BOX AT THIRD FLOOR LOBBY.
4. RUN ONE 1"C WITH 3#12 + 1#12 GROUND TO POWER JUNCTION BOX AT THIRD FLOOR STAIRWELL.
5. PROVIDE JUNCTION BOX IN WALL FOR TEL CABLING. RUN ONE 1"C WITH TWO TEL CABLES WITH JACKS TO CODE BLUE STATION.
6. ONE 1-1/4"C WITH TWO TEL CABLES TO TEL JUNCTION BOX ON THIRD FLOOR LOBBY.
7. ONE 1-1/4"C WITH TWO TEL CABLES TO TEL JUNCTION BOX AT THIRD FLOOR STAIRWELL.
8. PROVIDE WP OUTLET BOX AT CAMERA LOCATION. CAMERA AND CABLES TO BE PROVIDED BY OWNER. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.
9. RUN ONE 1-1/4"C WITH PULL WIRE TO SECURITY TC IN GROUND LEVEL ELECTRICAL ROOM.
10. VERIFY LOCATION AND CONNECTION REQUIREMENT OF ELEVATOR CONTROLLERS WITH SUPPLIER PRIOR TO ROUGH-IN.
11. PROVIDE 60A 3-POLE FUSED DISCONNECT SWITCH WITH AUX CONTACTS FOR EACH CONTROLLER. 60 AMP FUSES SHALL BE DUAL ELEMENT CURRENT LIMITING TYPE. RUN ONE 1-1/4"C WITH 3#4 + 1#6 GROUND TO CONNECT CONTROLLER.
12. PROVIDE 12X12 X 6"D PULL BOX FOR CONTROLLER FEEDERS.
13. RUN TWO 1-1/4"C WITH 3#4 + 1#6 GROUND TO PANEL "PG" FOR CONTROLLERS.
14. PROVIDE 20A 1-POLE FUSED DISCONNECT SWITCH FOR EACH CONTROLLER. 200 AMP FUSES SHALL BE DUAL ELEMENT TYPE. RUN ONE 3/4"C WITH 2#12 + 1#12 GROUND TO CONNECT CONTROLLER.
15. PROVIDE 6X6 X 4"D JUNCTION BOX FOR 120V CIRCUITS.
16. 1-1/4"C WITH 6#8 + 1#10 GROUND TO PANEL "P1".
17. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER AND CONTROL CONDUITS, WIRING AND CONNECTION FOR ODU/IDU AS DIRECTED BY MECHANICAL CONTRACTOR. VERIFY LOCATION AND CONNECTION REQUIREMENT PRIOR TO ROUGH-IN. PROVIDE WP FUSED DISCONNECT SWITCH ON ODU UNIT HOUSING.
18. IDU IS TO BE POWERED BY ODU. PROVIDE NON-FUSED DISCONNECT ON WALL AT IDU.
19. 3/4"C WITH 4#12 + 1#12 GROUND.
20. 1"C WITH 2#8 + 1#10 GROUND TO 120V POWER JUNCTION BOX IN ELEVATOR MACHINE ROOM.
21. PROVIDE WP/GFI RECEPTACLE ON ROOF AT ODU HOUSING. VERIFY LOCATION IN FIELD.
22. RUN 3/4"C WITH 2#12 + 1#12 GROUND TO RECEPTACLE IN ELEVATOR MACHINE ROOM.
23. PROVIDE ADDRESSABLE HEAT DETECTOR ON CEILING FOR ELEVATOR RECALL SYSTEM.
24. PROVIDE JUNCTION BOX IN CEILING FOR FIRE ALARM WIRING. PAINT RED.
25. 3/4"C WITH ONE "A" CABLE.
26. 1-1/4"C WITH ONE "A" CABLE + 2#12 (24VDC) TO FIRE ALARM JUNCTION BOX ON THIRD LEVEL.
27. PROVIDE ADDRESSABLE SMOKE DETECTOR AND HEAT DETECTOR ON WALL AT HOISTWAYS.
28. PROVIDE 6X6 X4"D FIRE ALARM JUNCTION BOX IN WALL.
29. RUN ONE 1-1/4"C WITH ONE "A" CABLE + 2#12 (24VDC) TO FACP IN GROUND FLOOR ELECTRICAL ROOM.

CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

Revisions:	Date

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Drawing Title: Top Level Floor Electrical Plan

Approved: Project Director

Project Title: VA Northern California Health Care System Parking Structure

Location: 10535 Hospital Way, Mather, CA 95655

Project Number: 612-CSI-102

Building Number: -

Drawing Number: E242

Date: 05/19/2011 | Checked: PK | Drawn: PK/LS

Dwg. 119 of 122

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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